

2000 MY for Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1) Monitor (P0753)

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MONITOR STRATEGY

Required sensors/Components	Main	Shift solenoid valve No.1
	Sub	None
Frequency of operation	Continuous	
Duration	1MZ-FE (RX300)	Less than 1 sec.
	1MZ-FE (SIENNA, AVALON, ES300, CAMRY, CAMRY SOLARA), 3RZ-FE, 5VZ-FE, 2UZ-FE, 2JZ-GE, 1ZZ-FE, 3S-FE, 5S-FE, 2ZZ-GE	Less than 10 sec.
MIL operation	Immediate	
Sequence of operation	None	

TYPICAL ENABLING CONDITIONS

Item		Specification	
		Minimum	Maximum
The monitor will run whenever the following DTCs are not present.		See page In-39	
Engine family	Item	Specification	
		Minimum	Maximum
3RZ-FE, 5VZ-FE, 2UZ-FE, 1ZZ-FE, 3S-FE, 5S-FE	Range check (Low resistance)		
	Solenoid	ON (2 times)	
	Range check (High resistance)		
	Solenoid	OFF (2 times)	
1MZ-FE (RX300, AVALON, ES300)	Range check (A)		
	Output duty	100 % or more	—
2ZZ-GE	Range check (A)		
	Output duty	90 % or more	—
1MZ-FE (CAMRY, CAMRY SOLARA)	Range check (Low resistance)		
	Solenoid	ON (2 times)	
	Range check (High resistance)		
	Solenoid	OFF (2 times)	
	Range check (A)		
	Output duty	75 % or more	—

Component T/M Outputs – Solenoid

1MZ-FE (SIENNA), 2JZ-GE	Range check (Low resistance)	
	Solenoid	ON (2 times)
	Range check (High resistance)	
	Solenoid	OFF (2 times)
	Range check (A)	
	Output duty	90 % or more –

TYPICAL MALFUNCTION THRESHOLDS

Engine family	Detection criteria	Threshold
3RZ-FE, 5VZ-FE, 1ZZ-FE, 3S-FE, 5S-FE	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
2UZ-FE, 2JZ-GE, 1MZ-FE (SIENNA, CAMRY, CAMRY SOLARA)	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
	Range check (A)	
	Solenoid current	330 mA or less
	Range check (B)	
	Output signal duty	100 % or 0 %
2ZZ-GE	Range check (Low resistance)	
	Solenoid resistance	8 Ω or less
	Range check (High resistance)	
	Solenoid resistance	100 k Ω or more
	Range check (A)	
	Solenoid current	330 mA or less
	Range check (B)	
	Output signal duty	100 % or 0 %
1MZ-FE (RX300, AVALON, ES300)	Range check (A)	
	Solenoid current	330 mA or less
	Range check (B)	
	Output signal duty	100 % or 0 %